



## Science and disaster management for social justice an NSTF Discussion Forum in collaboration with the NSTF Science Councils and Statutory Bodies sector

5-6 December 2022

### Day 1: 5 December

| Start | End   | Topic  | Speaker/Organisation   |
|-------|-------|--|--|
| 9:00  | 9:10  | Welcome to participants, introductions; and intended outcomes  | <b>Ms Jansie Niehaus</b> , Executive Director: NSTF  |
| 9:10  | 9:40  | Keynote: Prevention of epidemic and pandemic disasters – A transdisciplinary health perspective  | <b>Prof Petra Bester</b> , Director: The African Unit for Transdisciplinary Health Research (AUPeR), North-West University (NWU)   |
| 9:40  | 10:10 | Building Communities' Trust for Public Health Disaster Resilience  | <b>Prof Lekan-Ayo Yusuf</b> , Chairperson: School of Health Systems and Public Health, University of Pretoria (UP)   |
| 10:10 | 10:30 | <b>Tea/coffee break</b>  |  |
| 10:30 | 11:00 | The role of science, research and technology in the management of large-scale disaster affecting vulnerable communities in South Africa. | <b>Mr Dechlan Pillay</b> , Director: Information Technology, Intelligence and Information Management Services, National Disaster Management Centre (NDMC)                |
| 11:00 | 11:30 | Our creeping disaster – under-maintained infrastructure  | <b>Prof Kevin Wall</b> , Extraordinary Professor: Department of Construction Economics, University of Pretoria (UP); and 2018 <a href="#">NSTF Lifetime Award Winner</a> |
| 11:30 | 11:55 | <b>Q&amp;A and discussion</b>  | <b>All</b>   |
| 11:55 | 12:00 | <b>Wrap up and closure</b>   | <b>Ms Niehaus</b>  |

## Day 2: 6 December

| Start | End   | Topic  | Speaker/Organisation   |
|-------|-------|--|--|
| 9:00  | 9:10  | Welcome to participants, introductions; and intended outcomes  | <b>Ms Jansie Niehaus</b> , Executive Director: NSTF  |
| 9:10  | 9:40  | Water-related disasters: Projected extremes at climate change scale and the need to build a resilient water future | <b>Dr Brilliant Petja</b> , Research Manager: Climate Change, Water Research Commission (WRC)  |
| 9:40  | 10:10 | Remote sensing applications to flood disasters   | <b>Mr Morwapula Mashalane</b> , Remote Sensing Scientist, South African National Space Agency (SANSA)                                    |
| 10:10 | 10:30 | <b>Tea/coffee break</b>  |  |
| 10:30 | 11:00 | Management of forests, grasslands and crops to fight fire, what are the measures to take?                          | <b>Prof Kevin Kirkman</b> , Dean of Research for the College of Agriculture, Engineering and Science, University of KwaZulu-Natal (UKZN) |
| 11:00 | 11:30 | Preventing and preparation of nuclear disasters  | <b>Mr Charles Kros</b> , Radiation Protection Specialist, South African Nuclear Energy Corporation (NECSA)                               |
| 11:30 | 11:55 | <b>Q&amp;A and discussion</b>  | <b>All</b>   |
| 11:55 | 12:00 | Wrap up and closure  | <b>Ms Niehaus</b>  |

### National Science and Technology Forum (NSTF)

- Independent non-profit stakeholder body and network
- Unified voice for the science, engineering, technology (SET) and innovation community
- Includes private and public sectors
- Promoting SET and innovation in South Africa since 1995